JOURNAL OF PATHOLOGY, VOLUME 121

INDEX OF SUBJECTS

PAGE

ACID MUCOPOLYSACCHARIDES, vascular changes in the brain of spontaneously hypertensive rats, hyaline and fibrinoid degeneration 119
ADENOVIRUS INFECTION, TYPE 4, in SPF lambs, pulmonary and hepatic lesions 163
AGE, vascular and glomerular changes in the ageing kidney 65
ALPHA-NAPHTHYLTHIOUREA and ammonium sulphate treated rats, comparative study of the ultrastructural alterations in the pulmonary vessels . . . 205
ultrastructural changes in rat lung arterioles in conditions of altered permeability 115
ALVEOLI, pulmonary ultrastructure after oral and intravenous dosage of paraquat to rats 233
AMMONIUM SULPHATE and alpha-naphthylthiourea treated rats, comparative study of the ultrastructural alterations in the pulmonary vessels . . . 205
ANTIBODIES, HUMORAL, against spermatopoietic cells associated with mediastinal germinoma 183
APUD CELLS, ultrastructural alterations during nitrosamine-induced lung carcinogenesis 79
ARTERIES, PULMONARY, comparative study of the ultrastructural alterations in rats treated with alpha-naphthylthiourea (ANTU) and ammonium sulphate 205
ultrastructural changes in rats in conditions of altered permeability . . 115
ultrastructure of hypoxic hypertensive pulmonary vascular disease . . 93
vascular changes in rats after the intravenous injection of pyrrole carbamates 9
ARTHRITIS, RHEUMATOID, characteristics of mononuclear cell populations in chronically inflamed synovial membranes 1
ARTICULAR CARTILAGE, long-term results of superficial defects, a scanning electron-microscope study . . 213

BARIUM SULPHATE, intra-uterine subcutaneous injection, reaction of foetal tissues 159
BLEEDING in experimental thrombocytopenia, an electron-microscope study of the mechanism 193
BLOOD VESSELS, mechanism of escape of plasma protein from small blood vessels in the mucosa of the small intestine of the rat 51
ultrastructural changes in rat lung arterioles in conditions of altered permeability 115
ultrastructure of hypoxic hypertensive pulmonary vascular disease . . 93
vascular changes in the brain of spontaneously hypertensive rats, hyaline and fibrinoid degeneration . . 119
vascular changes in the lungs of rats after the intravenous injection of pyrrole carbamates 9
BRAIN, vascular changes of spontaneously hypertensive rats, hyaline and fibrinoid degeneration 119

CALCIUM PYROPHOSPHATE, identification of particulate matter in biological tissues and fluids 37
CALVES, mannosidosis, pathogenesis of lesions in exocrine cells . . . 59
CAPILLARIES, PULMONARY changes in rats after intravenous injection of pyrrole carbamates 9
CARCINOGENESIS in lungs of Syrian hamsters treated with nitrosamines, ultrastructural alterations of Apud cells . . 79
CELL POPULATIONS, mononuclear, in chronically inflamed synovial membranes 1
quantitation, the Schistosoma mansoni egg granuloma 41
CINEMICROGRAPHY, locomotory behaviour of the multinucleate giant cells of foreign body reactions 27
CREMASTER VESSELS of rats, morphological study of lesions induced by snake venoms (Naja naja and Agkistrodon piscivorus) 169
CYCLIC AMP, relation of levels to phagocytosis and enzyme release in acute inflammation *in vivo* 129

DOGS, subcellular reactions to injury, ultrastructural and biochemical investigations on the hepatic cellular damage produced by haemorrhagic shock . 107
DUCTUS ARTERIOSUS, premature contraction, a cause of foetal death . . 187

ELECTRON MICROSCOPE, SCANNING, long-term results of superficial defects in articular cartilage 213

PAGE

ELECTRON-MICROSCOPE STUDY, alterations of Apud cells during nitrosamine-induced lung carcinogenesis . . 79
amalgam tattoos, excision biopsies from 15 patients 83
changes in rat lung arterioles in conditions of altered permeability . . 115
comparative study of alterations in the pulmonary vessels of rats treated with alpha-naphthylthiourea and ammonium sulphate . . . 205
hypoxic hypertensive pulmonary vascular disease 93
identification of particulate matter in biological tissues and fluids . . 37
improved techniques 141
mechanism of bleeding in experimental thrombocytopenia 193
morphological study of lesions induced by snake venoms (Naja naja and Agkistrodon piscivorus) in the lung and cremaster vessels of rats . . 169
pulmonary ultrastructure after oral and intravenous dosage of paraquat to rats 233
subcellular reactions to injury, hepatic damage produced by haemorrhagic shock in dogs 107
vascular changes in the brain of spontaneously hypertensive rats, hyaline and fibrinoid degeneration . . 119
ELECTRON-PROBE MICROANALYSIS of amalgam tattoos, excision biopsies from 15 patients 83
ENDOCRINE SYSTEM in congenitally athymic (nude) mice 225
ENDOTOXIN, ocular response, study in albino rats 149
ENZYME RELEASE and phagocytosis in acute inflammation *in vivo*, relation of cyclic AMP levels 129
EXOCRINE CELLS, pathogenesis of mannosidosis lesions 59
EYE, diverse effects of triamcinolone on the ocular response to circulating endotoxin 149

FIBRINOID and hyaline degeneration, vascular changes in the brain of spontaneously hypertensive rats . . 119
FIXATION, improved techniques in light and electron microscopy . . . 141
FOETUS, premature contraction of the ductus arteriosus 187
reaction of tissues to intra-uterine subcutaneous injection of barium sulphate 159
FOREIGN BODY REACTIONS, identification of particulate matter in biological tissues and fluids 37
locomotory behaviour of the multinucleate giant cells 27

PAGE

GANGLIONEUROBLASTOMA, discussion of problems arising from four cases of neuroblastic tumours in various stages of maturation 19
GERMINOMA, MEDIASTINAL, associated with humoral antibodies against spermatopoietic cells 183
GIANT CELLS, foreign body multinucleate, produced in mice, study of locomotory behaviour 27
light and electron microscopy and electron-probe micro-analysis of amalgam tattoos 83
GLOMERULI, vascular and glomerular changes in the ageing kidney . . 65
GLYCOLYSIS, locomotory behaviour of the multinucleate giant cells of foreign body reactions 27
GRANULOMA, eggs isolated from livers of mice exposed to Schistosoma mansoni, study of unsensitised and sensitised mice 41
GUINEA-PIGS, electron-microscope study of the mechanism of bleeding in experimental thrombocytopenia . . 193

HAEMORRHAGE, subcellular reactions to injury, ultrastructural and biochemical investigations on the hepatic cellular damage produced by shock in dogs . 107
HAMSTERS, ultrastructural alterations of Apud cells during nitrosamine-induced lung carcinogenesis 79
HEPATOCYTES, ultrastructural changes produced by haemorrhagic shock in hepatocytes studied in dogs . . 107
HISTAMINE, mechanism of escape of plasma protein from small blood vessels in the mucosa of the small intestine of the rat 51
HYALINE and fibrinoid degeneration, vascular changes in the brain of spontaneously hypertensive rats . . 119
HYPERTENSION, spontaneous in rats, vascular changes in the brain . . 119
HYPERTENSION, PULMONARY, ultrastructure of hypoxic hypertensive pulmonary vascular disease 93
HYPOXIA, development of right-ventricular hypertrophy secondary to hypoxic hypertensive pulmonary vascular disease in rats 93

IMMUNOGLOBULINS, jejunal mucosal, and complement in untreated coeliac disease 219
INFLAMMATION, characteristics of mononuclear cell populations in chronically inflamed synovial membranes . . 1

PAGE

reaction of foetal tissues to intra-uterine subcutaneous injection of barium sulphate 159
relation of cyclic AMP levels to phagocytosis and enzyme release in acute inflammation *in vivo* . . . 129
INTESTINE, SMALL, mechanism of escape of plasma protein from small blood vessels in the mucosa studied in male Sprague-Dawley rats . . . 51
mucosal immunoglobulins and complement in untreated coeliac disease . 219

JEJUNUM, mucosal immunoglobulins and complement in untreated coeliac disease 219

KIDNEY, ageing, vascular and glomerular changes 65

LACRIMAL GLANDS, mannosidosis, pathogenesis of lesions in exocrine cells . 59
LAMBS, pathology of adenovirus type 4 infection, pulmonary and hepatic lesions 163
LEUCOCYTES, Schistosoma mansoni egg granuloma, quantitation of cell populations 41
LIVER, cellular damage produced by haemorrhagic shock in dogs, ultrastructural and biochemical investigations 107
lesions in ovine adenovirus type 4 infection in SPF lambs . . . 163
LOCOMOTIVE, behaviour of the multinucleate giant cells of foreign body reactions 27
LUNG, electron-microscope study of the mechanism of bleeding in experimental thrombocytopenia . . 193
morphological study of lesions induced by snake venoms (Naja naja and Agkistrodon piscivorus) in rats . 169
pathology of ovine adenovirus type 4 infection in SPF lambs . . . 163
ultrastructural alterations of Apud cells during nitrosamine-induced carcinogenesis 79
ultrastructural changes in rat arterioles in conditions of altered permeability 115
ultrastructure after oral and intravenous dosage of paraquat to rats . . 233
ultrastructure of hypoxic hypertensive vascular disease 93
vascular changes in rats after the intravenous injection of pyrrole carbamates 9
LYMPHOCYTES, characteristics of mononuclear cell populations in chronically inflamed synovial membranes . . 1

PAGE

MANNOSIDOSIS, pathogenesis of lesions in exocrine cells 59
MELANOMA, primary "flat" of the trachea 101
MERCURY, amalgam tattoos, light and electron microscopy and electron-probe micro-analysis . . . 83
MICE, congenitally athymic (nude), morphology of the endocrine system . 225
electron-microscope study of the mechanism of bleeding in experimental thrombocytopenia . . 193
Schistosoma mansoni egg granuloma, quantitation of cell populations . 41
MONONUCLEAR CELLS, characteristics in chronically inflamed synovial membranes 1
quantitation of populations, Schistosoma mansoni egg granuloma . . 41
MORPHOMETRY, vascular and glomerular changes in the ageing kidney . . 65
MOUTH, amalgam tattoos, light and electron microscopy and electron-probe micro-analysis 83

NEUROBLASTOMA and ganglioneuroblastoma, a study of four cases with long survival 19
NIEMANN-PICK DISEASE, case report of an adult 177
NITROSAMINE-induced lung carcinogenesis, ultrastructural alterations of Apud cells 79

OEDEMA, PULMONARY, ultrastructural changes in rat arterioles in conditions of altered permeability . . . 115

PANCREAS, mannosidosis, pathogenesis of lesions in exocrine cells . . . 59
PARAQUAT, pulmonary ultrastructure after oral and intravenous dosage to rats . 233
PARTICULATE MATTER, identification in biological tissues and fluids . . . 37
PERMEABILITY alterations, different patterns of response in rat lung arterioles . 115
comparative study of the ultrastructural alterations in the pulmonary vessels of rats treated with alpha-naphthylthiourea (ANTU) and ammonium sulphate 205
PHAGOCYTOSIS, relation of cyclic AMP levels in acute inflammation *in vivo* . 129
PLASMA PROTEINS, mechanism of escape from small blood vessels in the mucosa of the small intestine of the rat . 51
PLEURA, relation of cyclic AMP levels to phagocytosis and enzyme release in acute inflammation *in vivo* . . 129

PAGE

POLYKARYOCYTES, locomotory behaviour of the multinucleate giant cells of foreign body reactions . . . 27
PYRROLE CARBAMATES, vascular changes in the lungs of rats after intravenous injection 9

RABBITS, diverse effects of triamcinolone on the ocular response to circulating endotoxin 149
long-term results of superficial defects in articular cartilage, a scanning electron-microscope study . . 213
reaction of foetal tissues to intra-uterine subcutaneous injection of barium sulphate 159
RATS, comparative study of the ultrastructural alterations in the pulmonary vessels after treatment with alpha-naphthylthiourea (ANTU) and ammonium sulphate 205
electron-microscope study of the mechanism of bleeding in experimental thrombocytopenia 193
mechanism of escape of plasma protein from small blood vessels in the mucosa of the small intestine . . 51
morphological study of lesions induced by snake venoms (Naja naja and Agkistrodon piscivorus) in the lung and cremaster vessels 169
pulmonary ultrastructure after oral and intravenous dosage of paraquat . 233
relation of cyclic AMP levels to phagocytosis and enzyme release in acute inflammation *in vivo* 129
ultrastructural changes in lung arterioles in conditions of altered permeability 115
ultrastructure of hypoxic hypertensive pulmonary vascular disease . . 93
vascular changes in the brain in spontaneous hypertension, hyaline and fibrinoid degeneration . . . 119
vascular changes in the lungs after intravenous injection of pyrrole carbamates 9

REVIEWS OF BOOKS—
Pathology annual, Vol. 10. Edited by Sheldon C. Sommers (New York: Appleton-Century-Crofts) . . 63
Pathobiology annual, Vol. 5. Edited by Harry I. Ioachim (New York: Appleton-Century-Crofts) . . 63
Viral diseases of the central nervous system, 1st edition by Illis (London: Baillière Tindall) 63

PAGE

Greenfield's neuropathology, 3rd edition. Edited by W. Blackwood and J. A. N. Corsellis (Arnold) 243
Hodgkin's disease. Edited by Mortimer J. Lacher (J. Wiley & Sons Ltd) . 243

SALIVARY GLANDS, mannosidosis, pathogenesis of lesions in exocrine cells . 59
SCHISTOSOMA MANSONI egg granuloma, quantitation of cell populations . 41
SHOCK, haemorrhagic, in dogs, ultrastructural and biochemical investigations on the hepatic cellular damage . 107
SHWARTZMAN REACTION, diverse effects of triamcinolone on the ocular response to circulating endotoxin . . . 149
SILVER, amalgam tattoos, light and electron microscopy and electron-probe microanalysis 83
SNAKE VENOM, morphological study of induced lesions in the lung and cremaster vessels of rats . . . 169
SPERMATOPOIETIC CELLS associated with mediastinal germinoma, humoral antibodies 183
SQUAMOUS METAPLASIA, ultrastructural alterations of Apud cells during nitrosamine-induced lung carcinogenesis . 79
SYNOVIAL FLUID, identification of particulate matter in biological tissues and fluids 37
SYNOVIAL MEMBRANE, characteristics of mononuclear cell populations in chronic inflammation . . . 1

TATTOOS, AMALGAM, light and electron microscopy and electron-probe microanalysis 83
TECHNIQUES improved in light and electron microscopy 141
THROMBOCYTOPENIA experiments observing the mechanism of bleeding using the electron microscope 193
THYMUS, morphology of the endocrine system in congenitally athymic (nude) mice 225
TIN, amalgam tattoos, light and electron microscopy and electron-probe microanalysis 83
TRACHEA, primary " flat " melanoma . 101
TRIAMCINOLONE, diverse effects on the ocular response to circulating endotoxin 149
TUMOURS, ANIMAL, INDIVIDUAL, ultrastructural alterations of Apud cells during nitrosamine-induced lung carcinogenesis in male Syrian golden hamsters 79
TUMOURS, HUMAN, INDIVIDUAL, maturing neuroblastoma and ganglioneuro-

PAGE

blastoma, a study of four cases with long survival 19
primary " flat " melanoma of the trachea 101

UTERUS, reaction of foetal tissues to intra-uterine subcutaneous injection of barium sulphate 159

X-IRRADIATION, maturing neuroblastoma and ganglioneuroblastoma, a study of four cases with long survival . . 19

ZYMOGEN GRANULES, mannosidosis, pathogenesis of lesions in exocrine cells . 59

INDEX OF AUTHORS

PAGE

ALMEIDA, O. P., BÖHM, G. M. and BONTA, I. L., morphological study of lesions induced by snake venoms (Naja naja and Agkistrodon piscivorus) in the lung and cremaster vessels of rats . 169

AMANO, S., vascular changes in the brain of spontaneously hypertensive rats: hyaline and fibrinoid degeneration . 119

ANDERSON, C. K., MCLACHLAN, M. S. F., GUTHRIE, JANET C. and FULKER, M. J., vascular and glomerular changes in the ageing kidney 65

BECKER, A. E., BECKER, M. J. and WAGENVOORT, C. A., premature contraction of the ductus arteriosus: a cause of foetal death 187

BECKER, M. J., BECKER, A. E. and WAGENVOORT, C. A., premature contraction of the ductus arteriosus: a cause of foetal death 187

BELLAVIA, A., RUSSO, M. A., CONFORTI, A. and GRASSETTI, F., subcellular reactions to injury. I. Ultrastructural and biochemical investigations on the hepatic cellular damage produced by haemorrhagic shock in dogs . . 107

BERKVENS, JOHANNA M. and RUITENBERG, E. J., the morphology of the endocrine system in congenitally athymic (nude) mice 225

BÖHM, G. M., ALMEIDA, O. P. and BONTA, I. L., morphological study of lesions induced by snake venoms (Naja naja and Agkistrodon piscivorus) in the lung and cremaster vessels of rats . 169

BÖHM, G. M., MACHADO, D. C. and PADOVAN, P. A., ultrastructural changes in rat lung arterioles in conditions of altered permeability . . 115

BÖHM, G. M., MACHADO, D. C. and PADOVAN, P. A., comparative study of the ultrastructural alterations in the pulmonary vessels of rats treated with alpha-naphthylthiourea (ANTU) and ammonium sulphate . . . 205

BONTA, I. L., ALMEIDA, O. P. and BÖHM, G. M., morphological study of lesions induced by snake venoms (Naja naja and Agkistrodon piscivorus) in the lung and cremaster vessels of rats . 169

BOTS, G. TH. A. M., MEIJER, C. J. L. M., PUTTE, L. B. A. VAN DE, EULDERINK, F., KLEINJAN, R. and LAFEBER, G., characteristics of mononuclear cell populations in chronically inflamed synovial membranes . . . 1

BRUN, G. DEL RE, BUERKI, H., LOCHER, G. W., GRAEPEL, P., RUCHTI, CH. and HESS, M. W., humoral antibodies against spermatopoietic cells associated with mediastinal germinoma . 183

BUERKI, H., LOCHER, G. W., GRAEPEL, P., RUCHTI, CH., BRUN, G. DEL RE and HESS, M. W., humoral antibodies against spermatopoietic cells associated with mediastinal germinoma . 183

BUTLER, W. H., JONES, GLENYS and GALLANT, PATRICIA, improved techniques in light and electron microscopy 141

BUTLER, W. H., PLESTINA, R., STONER, H. B., JONES, GLENYS and MATTOCKS, A. R., vascular changes in the lungs of rats after the intravenous injection of pyrrole carbamates . . . 9

CHAN, W. C., LAI, K. S. and TODD, D., adult Niemann-Pick disease—a case report 177

CHAPMAN, S. K., CROCKER, P. R., DIEPPE, P. A., TYLER, GINA and WILLOUGHBY, D. A., the identification of particulate matter in biological tissues and fluids 37

CHO, H., MORI, K. and SOM, M., primary "flat" melanoma of the trachea . 101

CONFORTI, A., RUSSO, M. A., BELLAVIA, A. and GRASSETTI, F., subcellular reactions to injury. I. Ultrastructural and biochemical investigations on the hepatic cellular damage produced by haemorrhagic shock in dogs . . 107

CROCKER, P. R., DIEPPE, P. A., TYLER, GINA, CHAPMAN, S. K. and WILLOUGHBY, D. A., the identification of particulate matter in biological tissues and fluids 37

DALE, CHERYL and HURLEY, J. V., an electron-microscope study of the mechanism of bleeding in experimental thrombocytopenia . . 193

DEPORTER, D. A., DIEPPE, P. A., GLATT, M. and WILLOUGHBY, D. A., the relation of cyclic AMP levels to phagocytosis and enzyme release in acute inflammation *in vivo* . . . 129

PAGE

DIEPPE, P. A., CROCKER, P. R., TYLER, GINA, CHAPMAN, S. K. and WILLOUGHBY, D. A., the identification of particulate matter in biological tissues and fluids 37

DIEPPE, P. A., DEPORTER, D. A., GLATT, M. and WILLOUGHBY, D. A., the relation of cyclic AMP levels to phagocytosis and enzyme release in acute inflammation *in vivo* . . . 129

EULDERINK, F., MEIJER, C. J. L. M., PUTTE, L. B. A. VAN DE, KLEINJAN, R., LAFEBER, G. and BOTS, G. TH. A. M., characteristics of mononuclear cell populations in chronically inflamed synovial membranes . . . 1

FIELD, JENNIFER, HURLEY, J. V. and MCCALLUM, N. E. W., the mechanism of escape of plasma protein from small blood vessels in the mucosa of the small intestine of the rat . . 51

FULKER, M. J., MCLACHLAN, M. S. F., GUTHRIE, JANET C. and ANDERSON, C. K., vascular and glomerular changes in the ageing kidney . . . 65

GALLANT, PATRICIA, JONES, GLENYS and BUTLER, W. H., improved techniques in light and electron microscopy . 141

GHADIALLY, F. N., THOMAS, I., ORYSCHAK, A. F. and LALONDE, J-M., long-term results of superficial defects in articular cartilage: a scanning electron-microscope study 213

GLATT, M., DEPORTER, D. A., DIEPPE, P. A. and WILLOUGHBY, D. A., the relation of cyclic AMP levels to phagocytosis and enzyme release in acute inflammation *in vivo* 129

GRAEPEL, P., BUERKI, H., LOCHER, G. W., RUCHTI, CH., BRUN, G. DEL RE and HESS, M. W., humoral antibodies against spermatopoietic cells associated with mediastinal germinoma . 183

GRASSETTI, F., RUSSO, M. A., CONFORTI, A. and BELLAVIA, A., subcellular reactions to injury. I. Ultrastructural and biochemical investigations on the hepatic cellular damage produced by haemorrhagic shock in dogs . . 107

GROVE, D. I., MOORE, DOROTHY L. and WARREN, K. S., the Schistosoma mansoni egg granuloma: quantitation of cell populations 41

GUTHRIE, JANET C., MCLACHLAN, M. S. F., ANDERSON, C. K. and FULKER, M. J., vascular and glomerular changes in the ageing kidney 65

PAGE

HARRISON, J. D., ROWLEY, P. S. A. and PETERS, PATRICIA D., amalgam tattoos: light and electron microscopy and electron-probe micro-analysis . . 83

HEATH, D. and SMITH, P., ultrastructure of hypoxic hypertensive pulmonary vascular disease 93

HESS, M. W., BUERKI, H., LOCHER, G. W., GRAEPEL, P., RUCHTI, CH. and BRUN, G. DEL RE, humoral antibodies against spermatopoietic cells associated with mediastinal germinoma . . . 183

HOWES, E. L. JR. and MCKAY, D. G., diverse effects of triamcinolone on the ocular response to circulating endotoxin 149

HURLEY, J. V. and DALE, CHERYL, an electron-microscope study of the mechanism of bleeding in experimental thrombocytopenia . . 193

HURLEY, J. V., FIELD, JENNIFER and MCCALLUM, N. E. W., the mechanism of escape of plasma protein from small blood vessels in the mucosa of the small intestine of the rat . . 51

JOLLY, R. D. and THOMPSON, K. G., mannosidosis—pathogenesis of lesions in exocrine cells 59

JONES, GLENYS, GALLANT, PATRICIA and BUTLER, W. H., improved techniques in light and electron microscopy . 141

JONES, GLENYS, PLESTINA, R., STONER, H. B., BUTLER, W. H. and MATTOCKS, A. R., vascular changes in the lungs of rats after the intravenous injection of pyrrole carbamates 9

KINGSTON, KERRY J. and PAPADIMITRIOU, J. M., the locomotory behaviour of the multinucleate giant cells of foreign body reactions 27

KLEINJAN, R., MEIJER, C. J. L. M., PUTTE, L. B. A. VAN DE, EULDERINK, F., LAFEBER, G. and BOTS, G. TH. A. M., characteristics of mononuclear cell populations in chronically inflamed synovial membranes . . . 1

LAFEBER, G., MEIJER, C. J. L. M., PUTTE, L. B. A. VAN DE, EULDERINK, F., KLEINJAN, R. and BOTS, G. TH. A. M., characteristics of mononuclear cell populations in chronically inflamed synovial membranes . . . 1

LAI, K. S., CHAN, W. C. and TODD, D., adult Niemann-Pick disease—a case report 177

PAGE

LALONDE, J-M., GHADIALLY, F. N., THOMAS, I. and ORYSCHAK, A. F., long-term results of superficial defects in articular cartilage: a scanning electron-microscope study . . 213

LOCHER, G. W., BUERKI, H., GRAEPEL, P., RUCHTI, CH., BRUN, G. DEL RE and HESS, M. W., humoral antibodies against spermatopoietic cells associated with mediastinal germinoma . 183

LOSOWSKY, M. S., SCOTT, B. B. and SCOTT, D. G., jejunal mucosal immunoglobulins and complement in untreated coeliac disease 219

LOW, W. C. A. and PRATHAP, K., reaction of foetal tissues to intra-uterine subcutaneous injection of barium sulphate 159

MCCALLUM, N. E. W., FIELD, JENNIFER and HURLEY, J. V., the mechanism of escape of plasma protein from small blood vessels in the mucosa of the small intestine of the rat . . . 51

MACHADO, D. C., BÖHM, G. M. and PADOVAN, P. A., ultrastructural changes in rat lung arterioles in conditions of altered permeability . . 115

MACHADO, D. C., BÖHM, G. M. and PADOVAN, P. A., comparative study of the ultrastructural alterations in the pulmonary vessels of rats treated with alpha-naphthylthiourea (ANTU) and ammonium sulphate . . . 205

MCKAY, D. G. and HOWES, E. L. JR., diverse effects of triamcinolone on the ocular response to circulating endotoxin 149

MCLACHLAN, M. S. F., GUTHRIE, JANET C., ANDERSON, C. K. and FULKER, M. J., vascular and glomerular changes in the ageing kidney 65

MCLAUGHLIN, J. E. and URICH, H., maturing neuroblastoma and ganglioneuroblastoma: a study of four cases with long survival 19

MATTOCKS, A. R., PLESTINA, R., STONER, H. B., JONES, GLENYS and BUTLER, W. H., vascular changes in the lungs of rats after the intravenous injection of pyrrole carbamates . . . 9

MEIJER, C. J. L. M., PUTTE, L. B. A. VAN DE, EULDERINK, F., KLEINJAN, R., LAFEBER, G. and BOTS, G. TH. A. M., characteristics of mononuclear cell populations in chronically inflamed synovial membranes . . . 1

MOORE, DOROTHY L., GROVE, D. I. and WARREN, K. S., the Schistosoma mansoni egg granuloma: quantitation of cell populations 41

MORI, K., CHO, H. and SOM, M., primary "flat" melanoma of the trachea . 101

ORYSCHAK, A. F., GHADIALLY, F. N., THOMAS, I. and LALONDE, J-M., long-term results of superficial defects in articular cartilage: a scanning electron-microscope study . . 213

PADOVAN, P. A., BÖHM, G. M. and MACHADO, D. C., ultrastructural changes in rat lung arterioles in conditions of altered permeability . . 115

PADOVAN, P. A., MACHADO, D. C. and BÖHM, G. M., comparative study of the ultrastructural alterations in the pulmonary vessels of rats treated with alpha-naphthylthiourea (ANTU) and ammonium sulphate . . . 205

PAPADIMITRIOU, J. M. and KINGSTON, KERRY J., the locomotory behaviour of the multinucleate giant cells of foreign body reactions . . . 27

PETERS, PATRICIA D., HARRISON, J. D. and ROWLEY, P. S. A., amalgam tattoos: light and electron microscopy and electron-probe micro-analysis . . 83

PLESTINA, R., STONER, H. B., JONES, GLENYS, BUTLER, W. H. and MATTOCKS, A. R., vascular changes in the lungs of rats after the intravenous injection of pyrrole carbamates . 9

PRATHAP, K. and LOW, W. C. A., reaction of foetal tissues to intra-uterine subcutaneous injection of barium sulphate 159

PURCHASE, I. F. H., SYKES, B. I. and SMITH, L. L., pulmonary ultrastructure after oral and intravenous dosage of paraquat to rats 233

PUTTE, L. B. A. VAN DE, MEIJER, C. J. L. M., EULDERINK, F., KLEINJAN, R., LAFEBER, G. and BOTS, G. TH. A. M., characteristics of mononuclear cell populations in chronically inflamed synovial membranes . . . 1

REZNIK-SCHÜLLER, H., ultrastructural alterations of Apud cells during nitrosamine-induced lung carcinogenesis 79

ROWLEY, P. S. A., HARRISON, J. D. and PETERS, PATRICIA D., amalgam tattoos: light and electron microscopy and electron-probe micro-analysis . . 83

RUCHTI, CH., BUERKI, H., LOCHER, G. W., GRAEPEL, P., BRUN, G. DEL RE and HESS, M. W., humoral antibodies against spermatopoietic cells associated with mediastinal germinoma . 183

PAGE

RUITENBERG, E. J. and BERKVENS, JOHANNA M., the morphology of the endocrine system in congenitally athymic (nude) mice 225

RUSHTON, B. and SHARP, J. M., pathology of ovine adenovirus type 4 infection in SPF lambs: pulmonary and hepatic lesions 163

RUSSO, M. A., CONFORTI, A., BELLAVIA, A. and GRASSETTI, F., subcellular reactions to injury. I. Ultrastructural and biochemical investigations on the hepatic cellular damage produced by haemorrhagic shock in dogs . . 107

SCOTT, B. B., SCOTT, D. G. and LOSOWSKY, M. S., jejunal mucosal immunoglobulins and complement in untreated coeliac disease . . . 219

SCOTT, D. G., SCOTT, B. B. and LOSOWSKY, M. S., jejunal mucosal immunoglobulins and complement in untreated coeliac disease . . . 219

SHARP, J. M. and RUSHTON, B., pathology of ovine adenovirus type 4 infection in SPF lambs: pulmonary and hepatic lesions 163

SMITH, L. L., SYKES, B. I. and PURCHASE, I. F. H., pulmonary ultrastructure after oral and intravenous dosage of paraquat to rats 233

SMITH, P. and HEATH, D., ultrastructure of hypoxic hypertensive pulmonary vascular disease 93

SOM, M., MORI, K. and CHO, H., primary "flat" melanoma of the trachea . 101

STONER, H. B., PLESTINA, R., JONES, GLENYS, BUTLER, W. H. and MATTOCKS, A. R., vascular changes in the lungs of rats after the intravenous injection of pyrrole carbamates 9

SYKES, B. I., PURCHASE, I. F. H. and SMITH, L. L., pulmonary ultrastructure after oral and intravenous dosage of paraquat to rats 233

THOMAS, I., GHADIALLY, F. N., ORYSCHAK, A. F. and LALONDE, J-M., long-term results of superficial defects in articular cartilage: a scanning electron-microscope study 213

THOMPSON, K. G. and JOLLY, R. D., mannosidosis—pathogenesis of lesions in exocrine cells 59

TODD, D., CHAN, W. C. and LAI, K. S., adult Niemann-Pick disease—a case report 177

TYLER, GINA, CROCKER, P. R., DIEPPE, P. A., CHAPMAN, S. K. and WILLOUGHBY, D. A., the identification of particulate matter in biological tissues and fluids 37

URICH, H. and MCLAUGHLIN, J. E., maturing neuroblastoma and ganglioneuroblastoma: a study of four cases with long survival 19

WAGENVOORT, C. A., BECKER, A. E. and BECKER, M. J., premature contraction of the ductus arteriosus: a cause of foetal death 187

WARREN, K. S., MOORE, DOROTHY L. and GROVE, D. I., the Schistosoma mansoni granuloma: quantitation of cell populations 41

WILLOUGHBY, D. A., CROCKER, P. R., DIEPPE, P. A., TYLER, GINA and CHAPMAN, S. K., the identification of particulate matter in biological tissues and fluids 37

WILLOUGHBY, D. A., DEPORTER, D. A., DIEPPE, P. A. and GLATT, M., the relation of cyclic AMP levels to phagocytosis and enzyme release in acute inflammation *in vivo* . . 129